

**SMTA**  
Surface Mount Technology Association

**Upper Midwest Chapter**  
**May 2011**

## Upper Midwest Chapter hosts: SMTA Upper Midwest Expo & Tech Forum

### Vendor Expo Details

**Place:**

Sheraton Bloomington Hotel  
7800 Normandale Blvd.  
Bloomington, MN

**Date:** Thursday, June 9, 2011

**Cost:** Free to all Exhibits & Forum

**Show Hours:** 10:00 AM – 3:00 PM

**Technical Session Hours:**

**9:30 AM – 10 AM Session A**

New and Emerging Technologies in Electronics

**9:30 AM – 10 AM Session B**

Package-on-Package (PoP), Past – Present – Future

**11:30 AM - Noon**

Counterfeiters' techniques are constantly improving to avoid detection – what is your company doing to keep up with them?

**1:30 PM – 2 PM**

Expert Failure Analysis, Method and Solutions

**Free Technical Sessions**

New and Emerging Technologies in Electronics

**Speaker:** Dr. Daniel F. Baldwin, President & CEO at Engent

Package-on-Package (PoP), Past – Present – Future

**Speaker:** Lee Smith, VP Marketing & Biz Dev at Amkor Technology

Counterfeiters' techniques are constantly improving to avoid detection – what is your company doing to keep up with them?

**Speaker:** Tom Sharpe, Vice President at SMT Corporation

Expert Failure Analysis, Method and Solutions

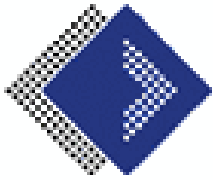
**Speaker:** Martin K. Anselm, Manager at Failure Analysis Services

**Why come?**

- Great opportunity to network with the Surface Mount Technology industry professionals!
- Visit the 50+ exhibitor booths from all around the country!
- Learn from the top industry leaders at the technical sessions held all day!
- Free Lunch for you and your co-workers (anyone can attend; make it a work-outing!)
  - Send them the link to register online:  
[http://www.smta.org/expos/attendee\\_reg.cfm?event\\_id=587](http://www.smta.org/expos/attendee_reg.cfm?event_id=587)
- Bonus: It's always fun to get out of the office for an hour or two...

**We'll see you on June 9th!**

**Directions/Map to Sheraton Bloomington on Page 10**



**SMTA**  
Surface Mount Technology Association

***Greetings From  
The President***

Hello Members,

Ahh, the warm weather is here.

Hope you are getting your first golf rounds in between all the rain. Our annual golf event is coming.

We just had our May meeting on the 25<sup>th</sup> with Todd Henninger from DDi. He presented "Designing for Success – PCB Design Techniques for Optimizing Yield & Cost" at TPC in Blaine, MN. It was a fantastic and very detailed presentation.

Our 2011 schedule is still full of events/meetings so do not miss out. Please review SMTA.ORG for times and places on these events.

- June 9<sup>th</sup> – 2011 Vendor Expo & Technical Sessions
- July 21<sup>st</sup> – 20th Annual Golf Outing
- August – (In-progress)
- September 28<sup>th</sup> – Membership Appreciation Event @ Target Field

Hope to see you at all these events.

Thanks for all your support,

Alexander Zeitler

**PROGRAM ENGINEER**

○ 952 808 6918 F 952 808 3266

**Soligie PRINT ELECTRONICS**

8647 Eagle Creek Pkwy Savage MN 55378

Soligie.com <<http://www.soligie.com>>

SMTA Upper Midwest Chapter President ([Alexander.Zeitler@soligie.com](mailto:Alexander.Zeitler@soligie.com))



## July 21, 2011 SMTA Golf Tournament

The Twentieth Annual SMTA Golf Tournament is moving across town to Stonebrooke Golf Club in Shakopee, MN. Everyone should enjoy this course as 13 of the holes feature water. Bring some extra balls! This year we're going to have a shot gun start at high noon. **(Lunch will not be provided.)** The deadline to register is July 1<sup>st</sup>. Payments must be received by July 14<sup>th</sup> to ensure your spot. The sign-up for the golf tournament is on a first come, first served basis with a maximum of 80 golfers. Below is all the information on this year's tournament.



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**What:** Twentieth Annual SMTA Golf Tournament

**When:** Thursday, July 21<sup>st</sup>, 2011

**Location:**

Stonebrooke Golf Club  
2693 County Road 79  
Shakopee, MN 55379  
(952) 496-3141

**Directions:**

**Stonebrooke Golf Club** is conveniently located just southwest of the Twin Cities in Shakopee, MN, two miles south of Highway 169 on Co. Rd. 79.

**From the Twin Cities**

- Take Highway 169 south over the Minnesota River to Shakopee
- Exit on Marshall Road (Co. Rd. 17); turn left (south)
- Go 1-1/3 miles to Co. Rd. 78 and turn right
- Follow 78 west 3/4 mile to Co. Rd. 79
- Turn left on 79 (south)
- Go 3/4 mile to Stonebrooke Golf Club

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**Shotgun Start:** 12:00PM/NOON. Please arrive by 10:45AM for check-in. **Lunch will not be provided.**

**Registration:** Register by Friday, July 1<sup>st</sup> to Erik Stromberg via email at [estromberg@e-tronix.com](mailto:estromberg@e-tronix.com). Include your name, company name, telephone #, and your average score for 18 holes. If there any questions you can reach me at (612) 803-2619.

**Fees: \$60 for early register by "deadline" June 20<sup>th</sup> and \$65 after June 20<sup>th</sup>** for 18 holes. This fee includes golf, cart, prizes, and dinner. **All fees must be received by Thursday, July 14<sup>th</sup>.** No-shows will be invoiced. Space is limited so please make your reservations early.

**Checks Payable to: SMTA**

**Send Checks to:**

Erik Stromberg  
E-tronix  
4005 Xerxes Ave. S.  
Minneapolis, MN 55410

**Tournament:** The tournament will consist of a four-person scramble. We will organize the teams based on your golfing caliber in order to make the teams fair. The number of suppliers and users in the four-some will also be taken into consideration. As most of you know from previous years, the tournament will be played in rain or shine unless it is lightning outside, so plan accordingly to the weather conditions.

**Dinner:** SMTA will be sponsoring dinner. Dinner will be provided after the tournament for everyone in the clubhouse starting at approximately 5:30 p.m.

**Prizes:** Each supplier donating a prize will get a sign at the tee box stating their name and what event the prize is awarded for. Prizes will be presented at the dinner at the end of the tournament. All winners must be present to receive their prize. **Please direct all prize offerings to Jeff Kennedy at (612) 991-8052.**



**Hole In One Contest:** For the first time, we'll be having a hole in one contest. A Rolex watch valued at \$5000.00 is up for grabs for anyone who can put the ball in the cup. NO MULIGANS





**Membership Benefits**  
<http://www.smta.org/membership/benefits.cfm>

The SMTA is committed to the success of its members in all aspects of electronics assembly technologies and related business operations.

By participating in Association activities you will stay up-to-date on industry news, learn from world-renowned speakers and instructors, develop valuable industry contacts, and have access to resources available nowhere else.

A network of local chapters and affiliate organizations around the globe provides a unique opportunity for industry professionals to meet with one another regionally, nationally, and internationally.

Furthermore, leadership roles are available in association activities, including elected offices, special projects and committees, and technical presentations.

**Join SMTA** [http://www.smta.org/membership/membership\\_step\\_1.cfm](http://www.smta.org/membership/membership_step_1.cfm)

After reviewing the information below, read about the different member classifications, and go to the membership application to join SMTA.

**As a member**, the benefits you will enjoy include:

- Member rates on education programs, including the annual SMTA International and Pan Pacific conferences and the International Wafer Level Packaging Conference (IWLPC), courses and tutorials, workshops and symposiums, local chapter events, and on-line presentations.
- Access to free PDF downloads of full-length technical articles in the Knowledge Base, which is a searchable library consisting of thousands of articles. Downloads are available to non-members for \$10USD per article.
- The quarterly published SMTAnews & Journal of SMT, which features a summary of association activities followed by 4-5 outstanding technical articles that are reviewed by a technical committee.
- On-line access to and real-time listing in the Member Directory where corporate info is available to all visitors, but where individual member holders' contact info is available only to other members.
- A dedicated listing in the Member Directory for members who are consultants.
- Member rates in the SMTA Bookstore, an exclusive list of titles that are reviewed and approved by industry professionals. Additionally, there are no shipping or handling charges for standard ground service within the U.S. and Canada.
- Job posting of Positions Wanted (individuals seeking) or Positions Available (companies hiring) for up to six months out of a twelve-month dues period.
- Member News listing for individuals who have changed jobs, received new appointments or promotions, or made other distinguishing achievements.
- Voting privileges in chapter officer elections, on chapter business issues, and in Board of Director elections (not associate members).

**Corporate members** enjoy all the benefits above plus the following:

- Member rates on event registrations for all employees (site specific).
- Member rates in the bookstore for all employees (site specific).
- Member Directory listing on-line accessible to all visitors with company info, Web site link, and free logo placement.
- Free advertising in the member directory for corporate members
- Press release posting about corporate members in the SMTA Industry News on-line.
- Quarterly listing in the printed SMTAnews & Journal of SMT.
- Discounts on exhibit booth space at SMTA International.
- Free SMTA International Technical Conference Pass for corporate members exhibiting at SMTAI.
- Booth discounts at local vendor shows.
- Free two-time use per year of the entire SMTA membership list in printed mailing label format (available upon request).
- Free CD-ROM of the proceedings from the SMTA International conference (annually), an invaluable reference and technical source.
- An attractive wall plaque commemorating your support of the Association and its mission.

**Global members** enjoy all the benefits above plus the following:

- In addition to the primary membership holder/site, up to 10 more may be designated members, for a total of 11 holders/sites.
- Member rates on event registrations for all employees located at any company site (non-site specific).
- Member rates in the bookstore for all employees located at any company site (non-site specific).
- Add an unlimited number of participating memberships for the nominal fee of \$50 per person (non-site specific).



**SMTA International**  
**October 16-20, 2011**



Be Part of the  
**Solution...**

SMTA International

Conference: October 16 - 20, 2011  
Exhibition: October 18 - 19, 2011

Fort Worth Convention Center  
Fort Worth, TX

Home

Conference ▾

Exhibit/Sponsor ▾

Register ▾

Special Events ▾

Hotel & Travel ▾

## SMTA International

Conference: October 16 - 20, 2011  
Exhibition: October 18 - 19, 2011  
Fort Worth Convention Center  
Fort Worth, TX

Attendees and exhibitors can expect the same focused event with the strongest technical conference for which SMTAI has come to be known. The SMTA Board of Directors selected Fort Worth because of the central location between the coasts for easy access.

The move to Fort Worth in 2011 is going to be a win-win situation for long-time attendees and newcomers alike. SMTAI has been recognized as a truly different type of industry event because of the high quality of technical information and the networking opportunities that cannot be found anywhere else in the industry.

### Why You Will Love Fort Worth:

As the 17th largest city in the United States and the Number 1 tourist destination in Texas, Fort Worth welcomes nearly 5.5 million visitors each year. No other city boasts such an unmistakable mix of preserved Western heritage and unrivaled artistic offerings. After all, Fort Worth is where you can see Michelangelo's first painting and see the world's only twice-daily cattle drive, all within minutes of Sundance Square, one of the world's greatest downtown entertainment districts.

Find out more at the Fort Worth Convention & Visitors Bureau or call 800-433-5747 (Toll Free).



**Register Now!**

Get expert advice at  
**Rx Doctor's Hours** right on  
the show floor!



SMTAI on Facebook!



Twitter  
hashtag  
#smtai2011



Add SMTAI to My  
Outlook Calendar

### What you are saying:

**“**SMTAI remains the best-in-class technical conference in the industry, encouraging engineers to engage in noncommercial, technically-driven conversations about current manufacturing and supply



## Tech Links

Download a Glossary of Acronyms Relevant to Electronics Manufacturing  
Please insert the following link into your browser:

[http://www.smta.org/files/acronym\\_glossary.pdf](http://www.smta.org/files/acronym_glossary.pdf)



Upper Midwest Chapter  
Upcoming Events and  
Chapter Information

### Chapter Calendar of Events

Date / Time	Event	Location	Phone	Contact / E-mail
June 9, 2011	Vendor Day	Sheraton Bloomington, MN	952-920-7682  952-808-6918	SMTA Headquarters  Alex Zeitler <a href="mailto:alexander.zeitler@soligie.com">alexander.zeitler@soligie.com</a>
July 21, 2011	20 <sup>th</sup> Annual Golf Outing	Stonebrooke Golf Club Shakopee, MN	612-803-2619 612-435-4843 Fax	Erik Stromberg <a href="mailto:estromberg@e-tronix.com">estromberg@e-tronix.com</a>
August TBD, 2011	TBD or Plant Tour	TBD, MN	952-808-6918	Alex Zeitler <a href="mailto:alexander.zeitler@soligie.com">alexander.zeitler@soligie.com</a>
September 28, 2011	Twins Outing	Target Field, Mpls, MN	952-808-6918	Alex Zeitler <a href="mailto:alexander.zeitler@soligie.com">alexander.zeitler@soligie.com</a>

### Corporate Members of our Chapter

**3M Company**  
**AbelConn, LLC**  
**Altron, Inc.**  
**Analog Technologies Corp**  
**Ayrshire Electronics MN**  
**Benchmark Electronics, MN**  
**Bergquist Company, The**  
**BTW Inc.**  
**Circuit Check Inc.**  
**Conductive Containers Inc.**  
**(CCI)**

**Control Products Inc.**  
**EI Microcircuits, Inc.**  
**Electronic Systems Inc.**  
**Great Lakes Engineering**  
**H.B. Fuller Company**  
**Infinite Graphics Inc.**  
**Ironwood Electronics**  
**Itron, Inc.**  
**JMW Enterprises, Inc.**  
**Logic PD**  
**Mindframe**

**New Wave Components**  
**Phoenix International**  
**Production Automation Co**  
**Raven Industries Inc.**  
**Riverside Electronics Ltd.**  
**Sauer-Danfoss**  
**Seagate Technology**  
**Trison Inc.**  
**V-Tek, Inc.**

### Global Participating Members of our Chapter

Creation Technologies – St. Peter



## RATES REDUCED 20%! TARGET YOUR CUSTOMERS

With an ad in our all-electronic newsletter. This newsletter is posted on the SMTA website and readers throughout the world have access over the internet. Open your company's opportunity as our readers open our pages of information. Contact Alex Zeitler, chapter president, for more information.

[alexander.zeitler@soligie.com](mailto:alexander.zeitler@soligie.com)

### Reduced Newsletter Advertising Rates For The New All Electronic Format

	1X / Year	3X / Year	6X / Year
Business Card" 1/8 Page	\$40/mos	\$32/mos	\$28/mos
1/4 Page	\$80/mos	\$64/mos	\$56/mos
1/2 Page	\$160/mos	\$128/mos	\$112/mos
Full Page	\$320/mos	\$256/mos	\$224/mos

Ad  
Space  
For  
Sale

Your Business Card  
Ad Would Look  
Great Here or  
Below!







The SMTA membership is an international network of professionals who build skills, share practical experience and develop solutions in electronic assembly technologies, including Microsystems, emerging technologies, and related business operations.

## Our Chapter Leaders

Alex Zeitler (President)	Soligie, Inc.	952-808-6918	<a href="mailto:alexander.zeitler@soligie.com">alexander.zeitler@soligie.com</a>
Erik Stromberg (Vice President, Golf Chairman)	E-tronix, A Stromberg Company	612-803-2619	<a href="mailto:estromberg@e-tronix.com">estromberg@e-tronix.com</a>
Katie L. Wohletz (Secretary)	Riverside Electronics Ltd.	507-523-3220	<a href="mailto:kwohletz@riversideelectronics.com">kwohletz@riversideelectronics.com</a>
Todd Ness (Treasurer, Golf Co-Chair)	Stanley Supply and Services	866-452-5809	<a href="mailto:tness@stanleyworks.com">tness@stanleyworks.com</a>
Sue Blankenheim (Membership)	Omni-Tronics	763-425-7910	<a href="mailto:sue@omni-tronics.com">sue@omni-tronics.com</a>
Gary Krieg (Webmaster)	Omni-Tec Inc.	952-881-4447	<a href="mailto:gary@omni-tec.com">gary@omni-tec.com</a>
Dale Lee (Communications)	Plexus Corporation	920-720-6579	<a href="mailto:dale.lee@plexus.com">dale.lee@plexus.com</a>
Jeff Kennedy (SMTA Board Liaison)	Celestica	612-902-6259	<a href="mailto:kennedj@celestica.com">kennedj@celestica.com</a>

### Useful Quick Links to Upper Midwest Chapter Information

#### Chapter's Website:

[http://www.smta.org/chapters/chapters\\_detail.cfm?chapter\\_id=1](http://www.smta.org/chapters/chapters_detail.cfm?chapter_id=1)

#### May 2010 Newsletter:

[http://www.smta.org/files/upper\\_midwest\\_newsletter\\_may\\_10.pdf](http://www.smta.org/files/upper_midwest_newsletter_may_10.pdf)

#### April 2010 Newsletter:

[http://www.smta.org/files/upper\\_midwest\\_newsletter\\_april\\_10.pdf](http://www.smta.org/files/upper_midwest_newsletter_april_10.pdf)

#### Membership Information:

[http://www.smta.org/membership/membership\\_step\\_1.cfm](http://www.smta.org/membership/membership_step_1.cfm)

## Sheraton Bloomington Map and Driving Directions

### From East

From the airport, take I-494 West and exit at Highway 100 North. Exit at Industrial Boulevard and the hotel will be located directly off of the exit.

### From North

Take Interstate 35W South to Highway 62 West. Take Highway 100 South to Industrial Blvd. and the hotel is located on the right.

### From West

Take I-494 South to Highway 100 North. Exit at Industrial Blvd. and the hotel will be located directly off of the exit.

### From South

Take 35W North to Interstate 494 West and then to Highway 100 North. Exit at Industrial Blvd. and the hotel will be located directly off of the exit.

The screenshot displays the Sheraton Hotels & Resorts website for the Sheraton Bloomington Hotel, Minneapolis South. The page includes the hotel's name, address (7800 Normandale Blvd, Bloomington, MN 55439), phone number (952-835-7800), and toll-free number (1-800-325-3535). It also provides local airport information (MSP), local time (2:19 PM), and weather (Partly Cloudy, 24 °C / 75 °F). A navigation menu includes links for Reservations, Overview, Special Offers, Bloomington Dining, Local Area, Photos, Weddings, Meetings, Macy's, and Green. The main content area features a Google Map showing the hotel's location at the intersection of Highway 100 and Industrial Blvd. The map includes a search bar, map controls, and a 'Map' button. The map data is attributed to Google, 2011.